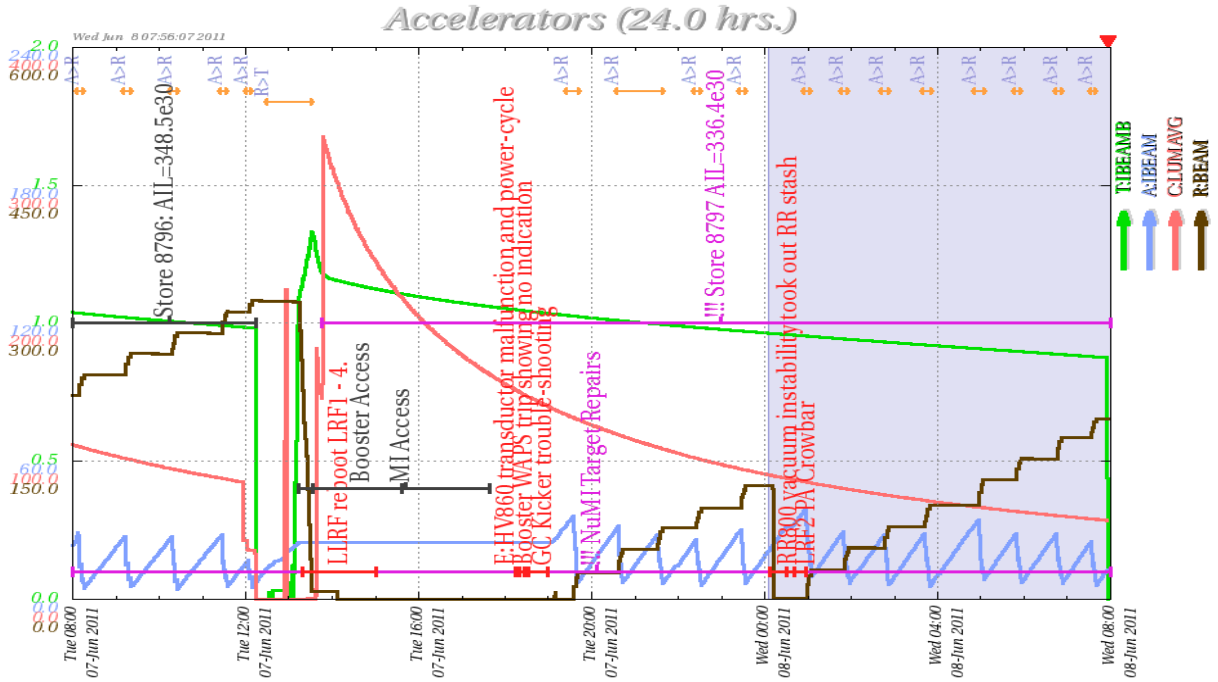
2011-06-08 Wednesday Morning Notes

Wednesday, June 08, 2011
7:50 AM

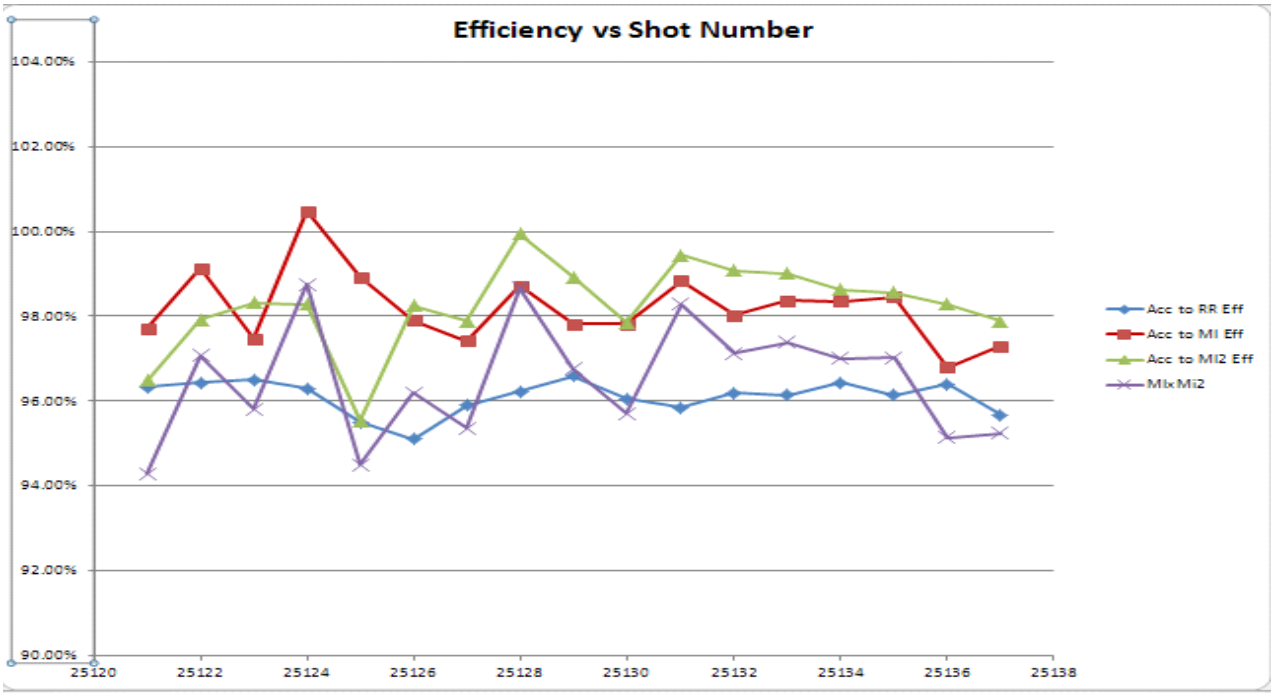
Operational Notes

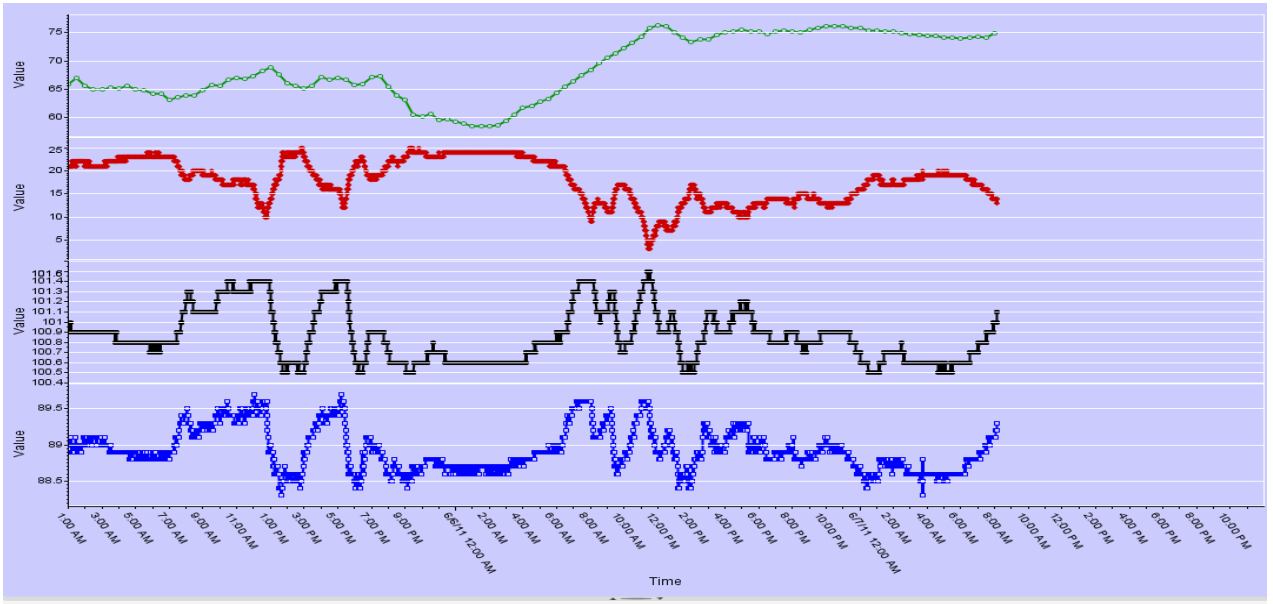
- noticed some interesting behavior after the third transfer of set #25050 at ~4am on Saturday, June 4th. After the third transfer in that set the sequencer ACL didn't continue and had to be aborted manually. $94s and $91s continued to go out and ARF4 continued to ramp, taking small chunks out of the beam. The sequencer script was aborted manually after this. The reason that ARF4 continued to fire was there was a timeline glitch that occurred when a TLG change was made to reduce the MiniBooNE rep rate just as the transfer TLG was loaded. The "one shot" transfers TLG played over and over until another TLG was loaded.

Plots

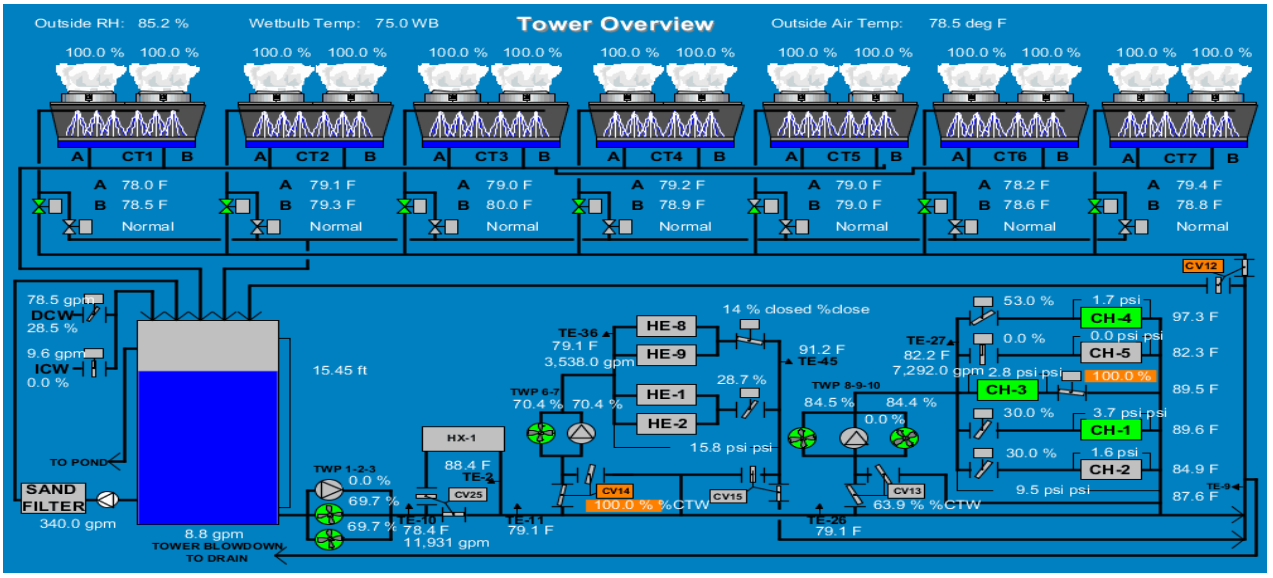


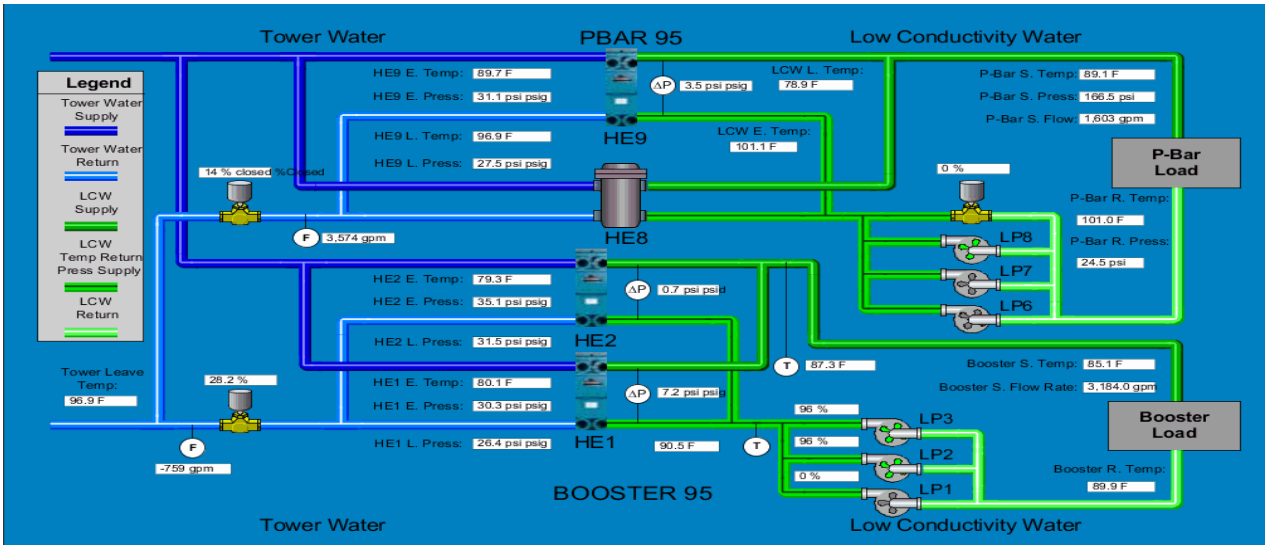
Column 1 Number_0_Pbar Transfer Shot #	Column 4 Number_3_Transfer Time		Column 21 Number_20_A:IBEAMB sampled on $91 (A:BEAM7), E10	Column 22 Number_21_A:IBEAMB sampled on $94 (A:BEAM9), E10	Unstacked (mA)	Column 23 Number_22_R:BEAMS (R:BEAME0[0]) pre xfer E10	Column 24 Number_23_R:BEAM (R:BEAME0[1]) post xfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Transfers	Sets	Column 5 Number_4_Acc Horizontal Emittance	Column 6 Number_5_Acc Vertical Emittance	Column 8 Number_7_Acc Longitudinal Emittance
	Totals =>				428.50			411.77	96.10%	98.20%	98.34%	96.57%	50	17	4.6668	3.0598	2.0004
	Daily Average =>				428.50			411.77					50	17			
25137	Wednesday, June 08, 2011	6:46	29.21	6.70	24.84	152.67	176.28	23.76	95.68%	97.29%	97.89%	95.24%	3	1	4.745	2.893	2.006
25136	Wednesday, June 08, 2011	5:49	28.83	6.71	24.45	129.69	153.08	23.57	96.39%	96.79%	98.29%	95.13%	3	1	4.712	3.259	2.008
25135	Wednesday, June 08, 2011	4:57	34.83	8.29	28.82	102.47	130.01	27.71	96.14%	98.45%	98.55%	97.03%	3	1	4.926	3.288	1.995
25134	Wednesday, June 08, 2011	3:42	28.87	5.49	24.99	78.76	102.75	24.10	96.44%	98.36%	98.63%	97.01%	3	1	4.374	2.75	2.015
25133	Wednesday, June 08, 2011	2:46	28.23	6.42	24.16	55.87	78.98	23.23	96.13%	98.37%	99.01%	97.39%	3	1	4.746	2.962	2.017
25132	Wednesday, June 08, 2011	1:50	29.89	6.78	25.43	31.76	56.07	24.46	96.20%	98.03%	99.08%	97.12%	3	1	4.891	3.333	2.005
25131	Wednesday, June 08, 2011	0:58	40.09	9.56	32.83	0.76	32.01	31.47	95.85%	98.84%	99.44%	98.28%	3	1	5.416	3.711	1.988
25130	Tuesday, June 07, 2011	23:27	30.37	6.89	25.76	98.98	123.54	24.74	96.05%	97.81%	97.85%	95.71%	3	1	4.662	3.116	2.013
25129	Tuesday, June 07, 2011	22:25	26.20	6.00	22.48	77.58	99.16	21.71	96.59%	97.81%	98.93%	96.76%	3	1	4.792	3.016	1.999
25128	Tuesday, June 07, 2011	21:31	28.67	6.53	24.45	54.42	77.83	23.53	96.23%	98.72%	99.95%	98.66%	3	1	4.497	2.951	2.001
25127	Tuesday, June 07, 2011	20:37	31.94	7.34	26.91	28.98	54.65	25.80	95.89%	97.42%	97.88%	95.35%	3	1	5.026	3.427	2.036
25126	Tuesday, June 07, 2011	19:34	36.23	7.48	30.68	0.25	29.21	29.18	95.10%	97.89%	98.26%	96.19%	3	1	5.104	3.549	1.986
25125	Tuesday, June 07, 2011	12:04	17.53	5.12	13.62	312.03	324.87	13.01	95.50%	98.93%	95.53%	94.50%	2	1	3.789	2.777	1.991
25124	Tuesday, June 07, 2011	11:27	28.27	5.57	25.10	289.09	312.87	24.17	96.29%	100.49%	98.28%	98.76%	3	1	4.426	2.953	1.985
25123	Tuesday, June 07, 2011	10:18	27.58	4.56	24.86	266.59	290.29	23.99	96.51%	97.46%	98.31%	95.82%	3	1	4.055	2.622	1.981
25122	Tuesday, June 07, 2011	9:13	27.77	5.22	24.94	243.74	267.56	24.05	96.43%	99.13%	97.93%	97.07%	3	1	4.609	2.602	1.995
25121	Tuesday, June 07, 2011	8:08	26.77	4.99	24.19	221.33	244.40	23.30	96.33%	97.71%	96.49%	94.28%	3	1	4.566	2.808	1.985

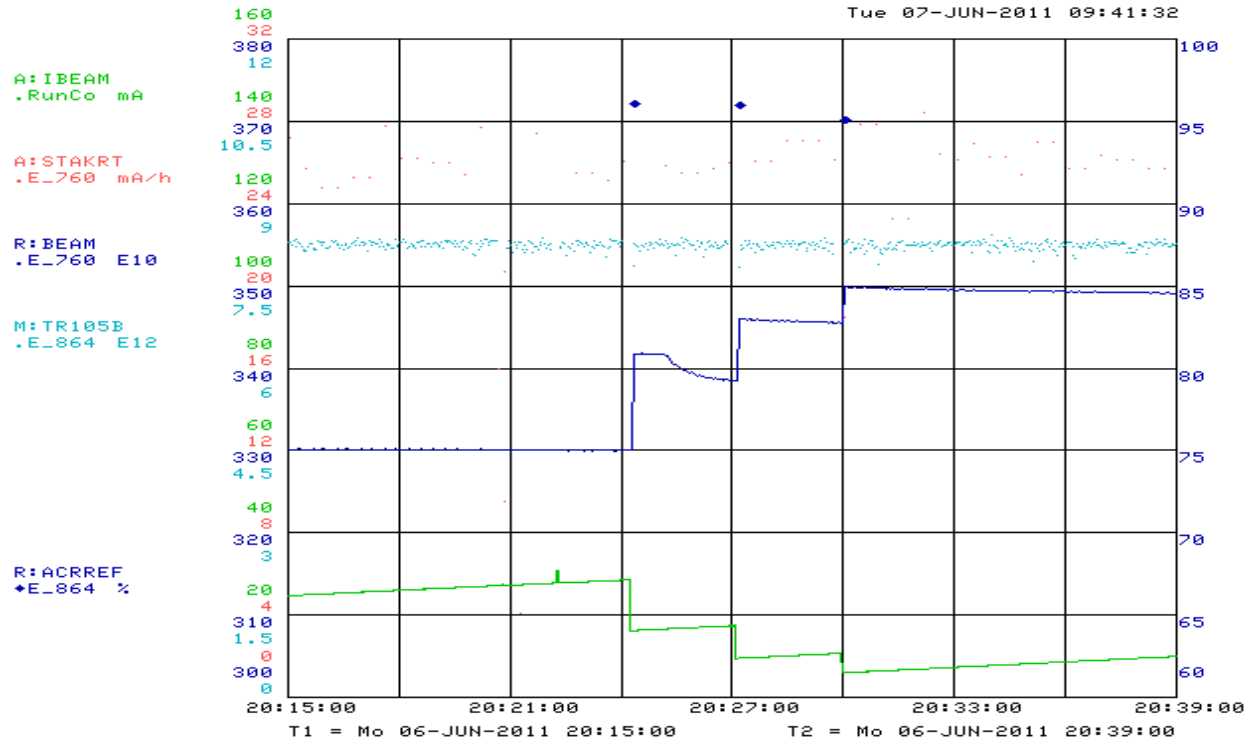




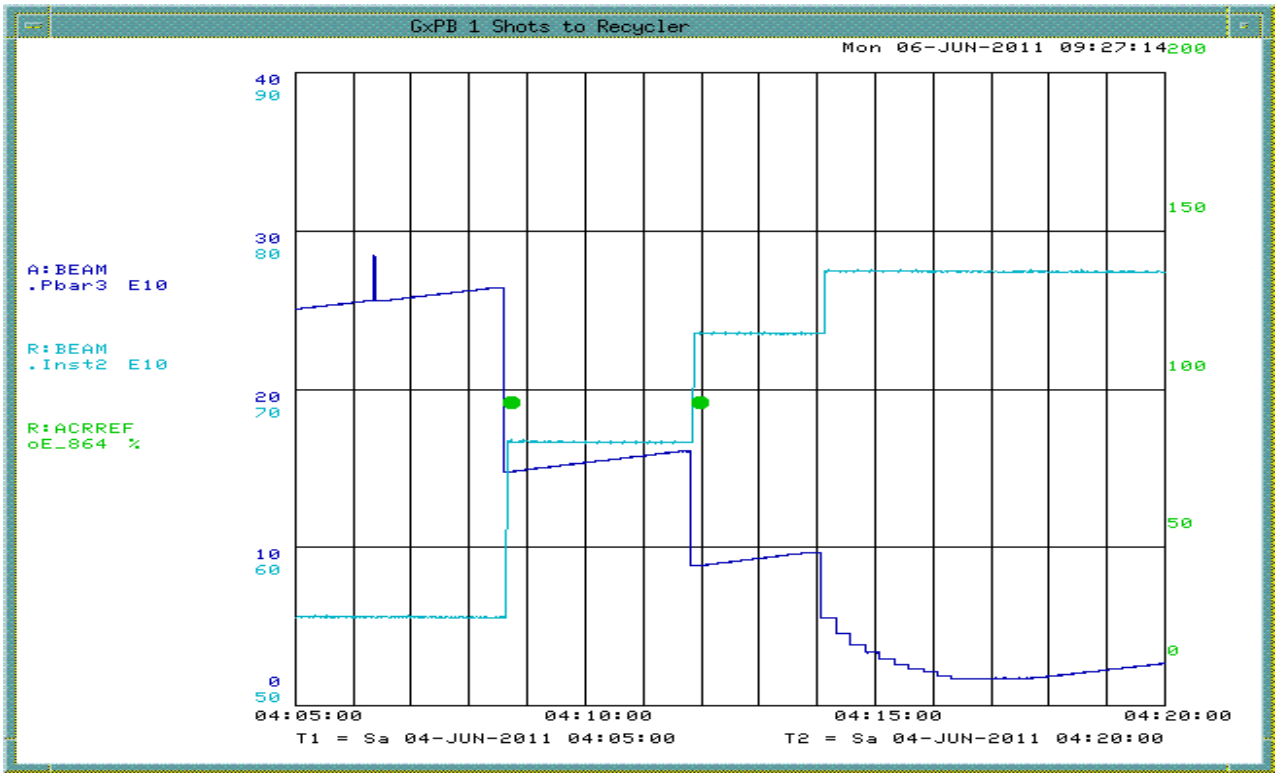
Show	Marker	Name	Reference
☑	▭	214PBR95 LCWST.CUB PBAR95 LCW SUPPLY TEMP	FESS-CNTRLS-CUB:NAE4/N2-1.NC22-HW DX-2.214PBR95 LCWST.Trend1
☑	●	214PBR95 LCWRT.CUB PBAR95 LCW RTN TEMP	FESS-CNTRLS-CUB:NAE4/N2-1.NC22-HW DX-2.214PBR95 LCWRT.Trend1
☑	●	214PBR95 FCV-1.CUB PBAR95 FCV-1 % CLOSED	FESS-CNTRLS-CUB:NAE4/N2-1.NC22-HW DX-2.214PBR95 FCV-1.Trend1
☑	○	214CMODE WH_OAWB.CUB-CMODE WH_OAWB	FESS-CNTRLS-CUB:NAE4/N2-1.Analog Data.214CMODE WH_OAWB.Trend1



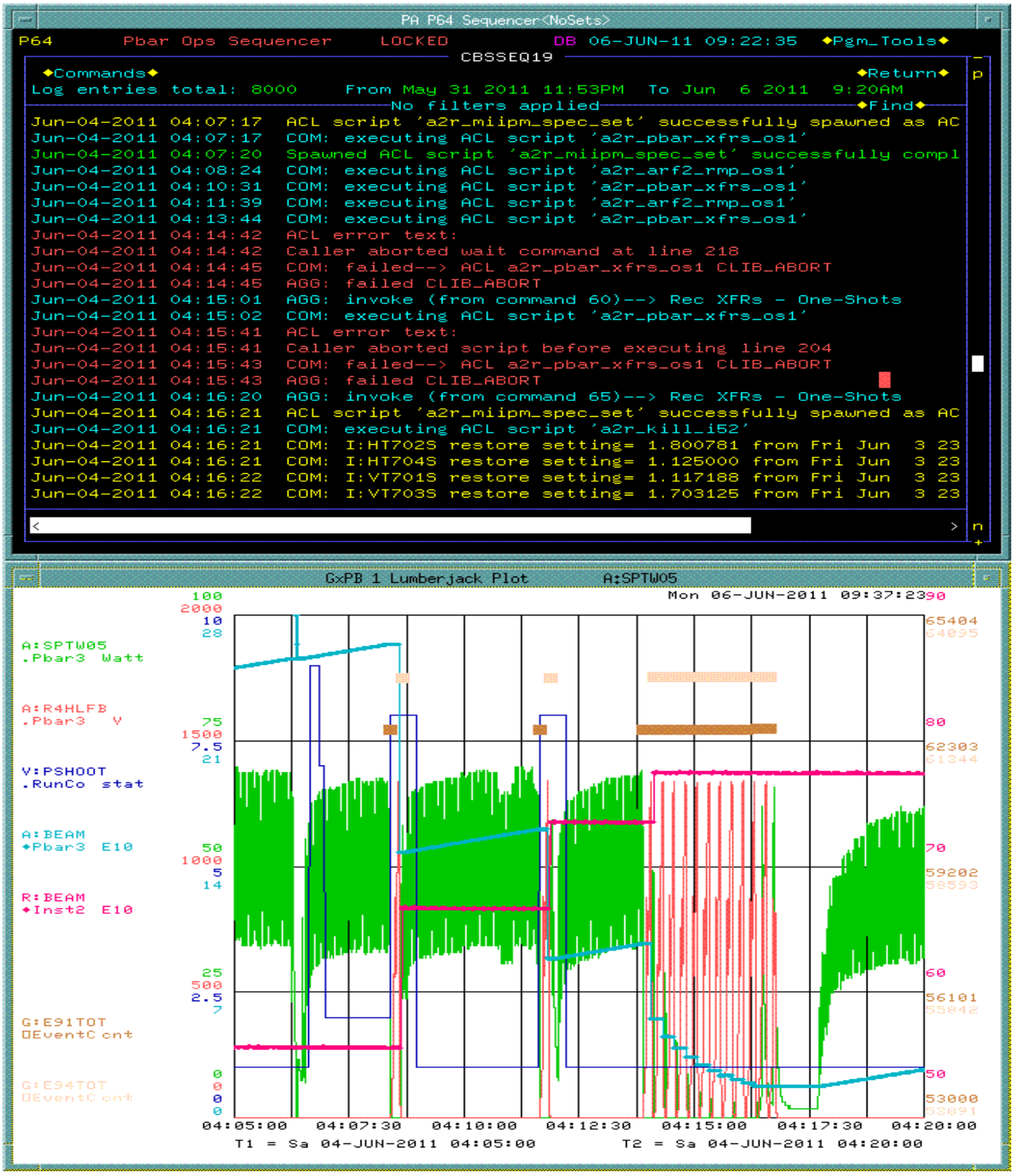




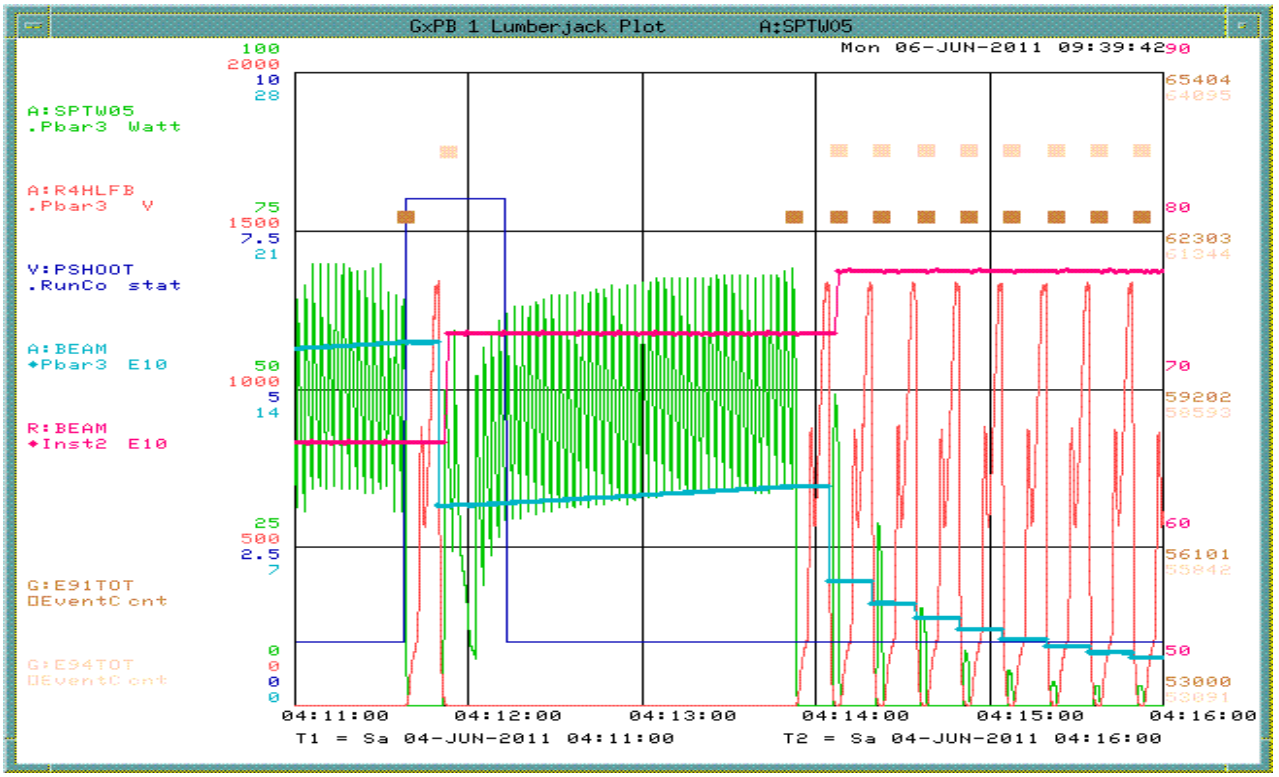
Recycler losing some beam on one of the transfers.



Beam loss in the accumulator after last transfer



ARF4 continues to fire as TLG bug resulted in one shot TLG playing over and over.


GxPB 1 Lumberjack Plot A:SPTW05
Mon 06-JUN-2011 09:39:42
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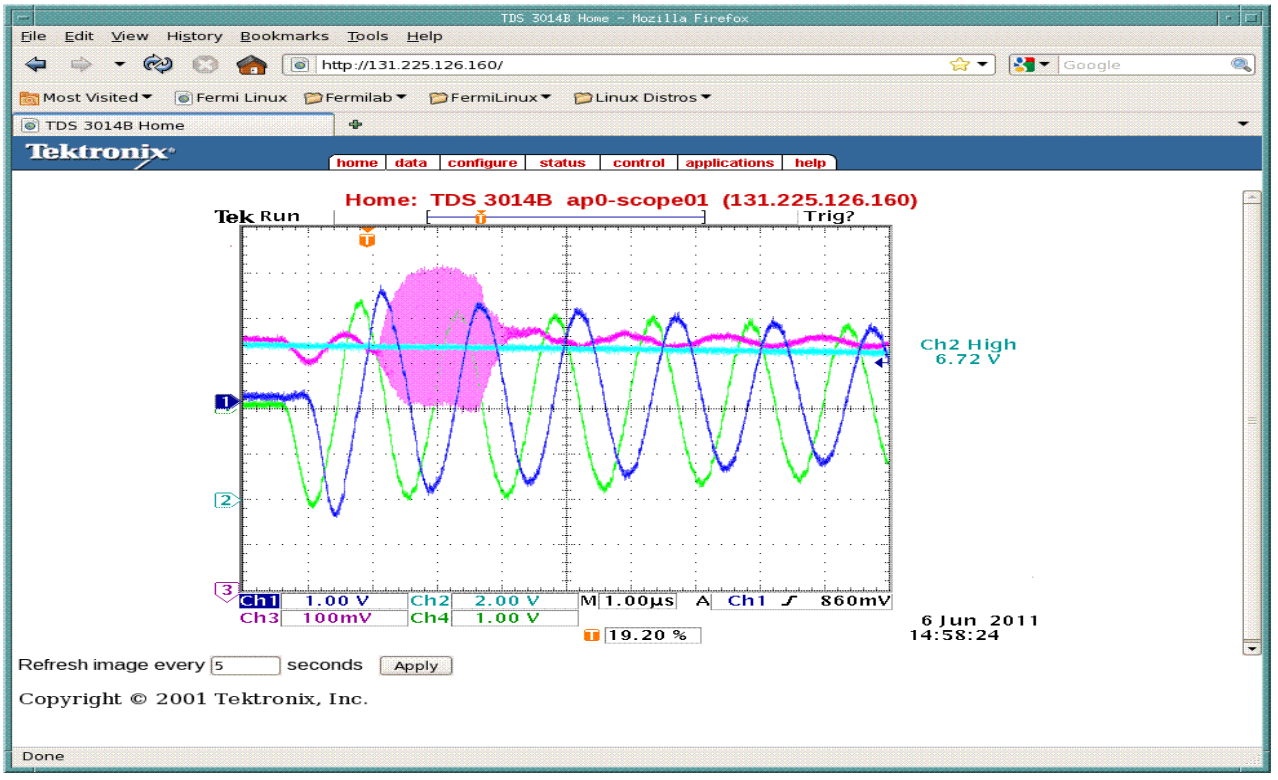
.Pbar3 Watt
A:R4HLFB
.Pbar3 V
V:PSHOOT
.RunCo stat
A:BEAM
♦Pbar3 E10
R:BEAM
♦Inst2 E10
G:E91TOT
EventC cnt
G:E94TOT
EventC cnt
04:11:00
04:12:00
04:13:00
04:14:00
04:15:00
04:16:00
T1 = Sa 04-JUN-2011 04:11:00
T2 = Sa 04-JUN-2011 04:16:00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home data configure status control applications help
Home: TDS 3014B ap0-scope01 (131.225.126.160)
Tek Run
Trig?
Ch2 High
6.72 V
Ch1 1.00 V Ch2 2.00 V M 1.00µs A Ch1 860mV
Ch3 100mV Ch4 1.00 V
19.20 %
6 Jun 2011
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